



Installation Instructions

2014 & Later Harley Saddlebag Lids

Thank you for your purchase of Bagger Audio™ Saddlebag Lids for your Harley-Davidson motorcycle. We have carefully engineered these products to work with Harley-Davidson motorcycles to give you the best quality possible.

Taking your valuable investment into consideration, we have detailed the installation instructions for our products. We would like to suggest that you refer to your Harley-Davidson factory service manual for removal of any factory parts. Should you not have this information available, we strongly recommend that your local dealership or professional installation facility assist with your installation.

****Note: You must apply some type of finish to the Bagger Audio Saddlebag Lids and Grills to protect them from moisture and UV rays which can cause fading, discoloration and/or rusting over time. This step is crucial to ensure the longevity of your Bagger Audio Lids. Some preparation of the urethane is necessary before applying a finish to ensure the look of the final product.***

Before you begin, please read instructions carefully and thoroughly and make note of the following guidelines:

Take proper precautions to protect your paint in the areas that you will be working near.

Prior to removal of any parts, confirm that you have all tools necessary to complete the installation. If you get to a point where you are unsure of how to continue, please review the instructions again and confirm the steps that you have already completed.

If additional assistance is needed please contact Cycle Sounds at 1-866-427-2346 (toll free) or 816-525-2628.

Saddlebag Lids Kit Parts List:

All Kits:

- (2) Replacement Saddlebag Lids
- (2) Metal Speaker Grills
- (2) Urethane Speaker Bezels
- (2) Hydrophobic Grill Fabric
- (1) Replacement Lid Seals (Pair)
- (2) Lid Hinge Straps
- (1) Hardware Pack for Speakers & Bezels
 - (2) Lid Hinge Straps Spacers (Plastic)
 - (2) #8 Phillips Head Screws 2" (for Plastic Spacers)
 - (16) #8 Phillips Head Bezel/Spider Screws 3/4"
 - (8) #8 Phillips Head Speaker Screws 1" (Lids Only Kits)
 - (8) #8 Phillips Head Speaker Screws 1-1/2" (Lids Complete Kits)

Complete Kits Only:

- (2) 6" x 9" Marine Grade Speakers
- (1) Motorcycle Amplifier
- (2) Long Speaker Wire Pairs
- (2) Short Speaker Wire Pairs (Sheathed)
- (2) Rubber Grommets (3/8" OD – 1/4" ID)
- (2) Male 2-Pin Quick Connectors
- (2) Female 2-Pin Quick Connectors
- (4) Speaker Terminal Connectors (may already be attached)
- (1) Heavy Gauge Power Wire (red)
- (1) Heavy Gauge Ground Wire (Black)
- (2) Terminal Ring Connectors (may already be attached)
- (1) Large Velcro Block
- (8) Wire Ties
- (8) Wire Tie Holders

Tools & materials needed to complete installation:

- Automotive RTV Silicone (Black or Clear)
- Torx Wrench Set
- 3/8" Drill Bit
- Wire/Terminal Crimping Tool
- Wire Cutters/Strippers
- Common Hand Tools (pliers, screwdrivers, etc.)

Before starting the installation you should have the replacement saddlebag lids and grills prepped and painted to your desired look. Some type of finish must be put on the lids and grills to ensure the longevity of the product.

Start by removing your outer fairing, both saddlebags and seat according to your factory service manual. If you are unsure how to do this consult your

local motorcycle shop for assistance.

For lids only kits you should review all of our procedures installing the audio lids as well as locations for amp, wiring, etc. to get an idea how to install your chosen equipment. However, your step-by-step for your chosen audio components may be somewhat different.

With the outer fairing removed clear any wires from the area above your radio. You may need to unclip and relocate one or more wiring looms to make room for the amplifier. Attach one side of the provided Velcro block to the bottom of your amplifier and the other side to the top of your radio and secure the amplifier. It is also a good idea to clean the surfaces that the Velcro will attach to with rubbing alcohol before applying.

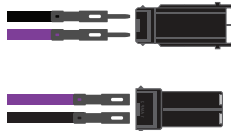
Next, connect the provided heavy power (red) and ground (black) wires to the amplifier. Consult the user manual for the amplifier to review the amp power/ground hookup as well as other specific amplifier functions. Once attached to the amp route these wires toward the neck of the bike and underneath your tank toward the battery.

Tip: You can easily route wires under the tank without removing it using a “snaking” tool, coat hanger or something similar. Do this by pushing the long tool under the tank so it is exposed at both ends. Then simply tape your wires securely to the snaking tool and carefully pull the tool w/ wires attached through the tank channel. Just don’t try to pull too many wires through at the same time to avoid hang-ups.

Once you have the wires exposed near the battery simply crimp the provided terminal connectors onto the wires if they are not already attached. **DO NOT** connect these wires to the battery yet to avoid any shorting or shock hazard while finishing the amp installation.

Attach the bare ends of the right/left speaker wire pairs to the outputs on the amplifier by stripping back just a bit of bare wire. Use the colored wires for positive and black wires for negative. Consult the user guide for your amplifier if you are unsure where to make these connections. Once connected, route these wires underneath the tank as with the power and ground wires making sure to keep the pairs for each side left/right separate.

Once the wires are exposed near the seat area attach the female quick connects by unclipping the small plastic keeper doors and sliding the pins into the connectors. When the pins are inserted properly they will snap firmly into place and allow the plastic keeper doors to close. If you have trouble getting the pins to snap in, try flipping them over and reinserting as the top/bottom orientation of the pins and connectors does matter.



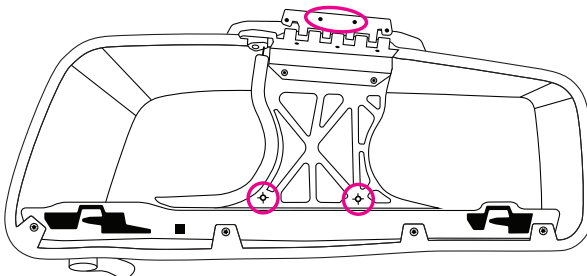
At this point it is a good idea to go ahead and pin the matching male connectors onto the short (sheathed) speaker wires. Do this in the same way as the female connectors making sure the wire colors match across the wires according to the diagram. Once this is done set the short speaker wires aside for now.



Tip: Pay close attention to the orientation of these wires across the quick connector plugs as they must match what is shown or your speakers will be out of phase and not sound correctly. If you hear a “tinny” alien type sound come from your speakers check to make sure the positive/negative wires match polarity from the amplifier all the way to the speakers before doing any other troubleshooting as this is a most common problem.

Route each (long) wire pair to the left or right of the battery compartment paying attention to which pair is right and which is left. When you are sitting on the bike your right and left-hand sides should match the pairs coming from the amplifier for right/left channels. This is not critical, but some people can tell if right/left channels are swapped when listening.

With your saddlebags removed detach the stock lids by removing the 2 hinge strap bolts on the inside of the bag (not the lid) while holding the lid so it does not fall. Once the hinge straps screws are removed this will expose 2 more screws on the inside of each bag under where the hinge straps were attached. Remove these 2 screws on each bag to free the lids from the saddlebag lowers and set the lids aside.



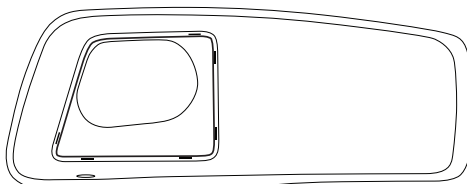
To cleanly route the speaker wires into the bags, use a 3/8" bit and drill a hole in each saddlebag lower on the side of the bag which faces inward towards the wheel. The hole placement should be approximately 7" down from the top of the bag and 7" back from the front of the bag although this placement is not critical. With holes drilled insert the provided rubber grommets into these holes.

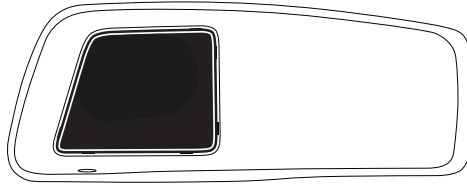
Using the short (sheathed) speaker wires provided in the kit, insert each wiring pair through the grommets from the outside so that the quick connectors are on the outside of the bags. Crimp speaker terminal connectors to each of these wires if they are not already attached and set the bag lowers aside.

Start preparing the replacement lids by cutting the included grill fabric using the provided paper patterns. Do this by cutting the paper pattern out and tracing the shape onto the grill fabric with a white china marker or paint pen. When cutting the fabric for each side pay attention to the side of the fabric marked "This Side Up".



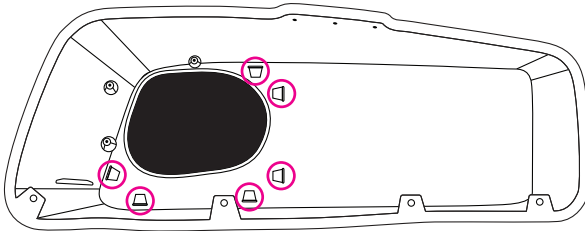
Next put a bead of RTV Automotive Silicone on the outside of the lid around the recessed area for the grill. Taking a piece of the included hydrophobic fabric, you want to 'adhere' this fabric to the lid over the opening from the outside of the lid. Make sure to keep the fabric as flat and stretched tight as possible. Pay attention to the up/down side of the fabric while doing this. The fabric "up" side should go up when doing this step so the up-side is up when the lid is closed on the bike.



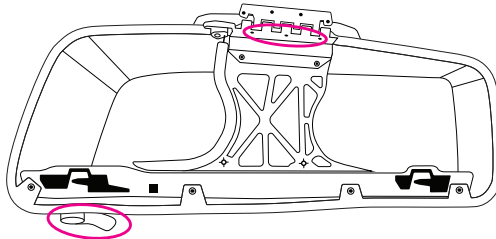


Tip: Once the silicone has dried completely you may want to take a razor knife and cut away any extra fabric that is not needed leaving just a minimal amount beyond the silicone. This is completely optional, but will clean up the look once finished.

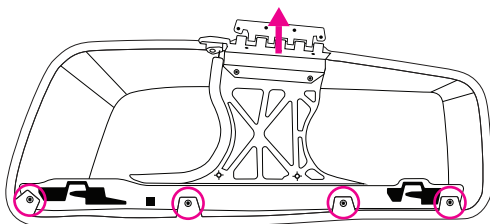
Once the silicone for the hydrophobic fabric is dry install the grills by inserting the tabs from the top of the lid and seat the grills as flush to the lid as possible. Once the grills are in the correct location flip the lids over and bend the tabs to secure the grills. From the inside of the lid you should now put silicone in the tab hole locations to keep any moisture from entering through these areas.



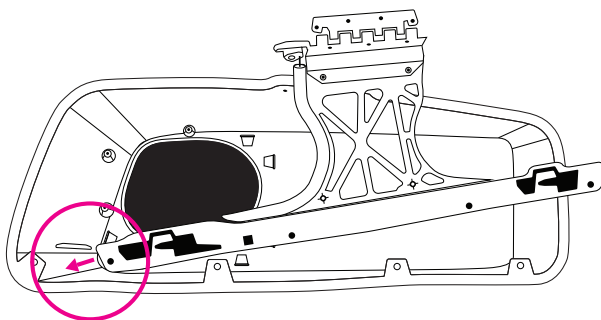
Take the stock lids and remove the (3) outer lock plate bolts from the inside of each lid to free the lock plates from the lids. Also detach the lid latch levers by removing the screws holding them from the inside of the lids. Set the removed items aside.



Remove the (4) Torx bit screws that are holding the plastic spider frames and remove them from the stock lids. When removing the spider frames simply pull up on the frame from the hinge side and they should come out fairly easily.

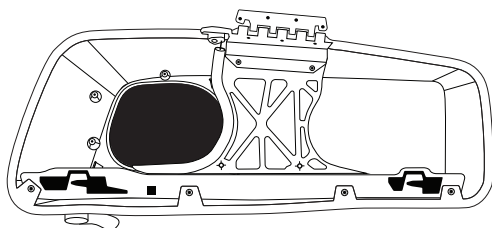


Insert the spider frame into the new saddlebag lids as removed from the stock lids. When inserting the frames into the new lids it will be a good bit tougher to fit than the stock lids. This is because there is an added catch area on the replacement lids to hold the spider frame securely with the added weight of the speakers. Start by finding the extra catch in the upper corner of the lids and insert the spider frame behind this catch and slowly push the frame into place. You will need to flex the lid slightly while doing this to get everything in the correct location. When this is done correctly you will here the frame “pop” into place and the (4) screw holes should line up.

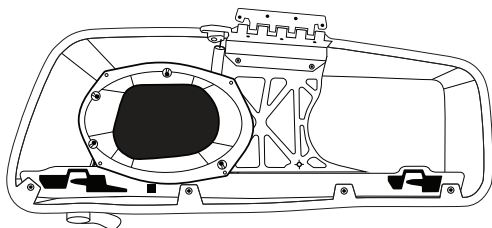


Tip: Insert a screwdriver into the latch hole from the outside of the lid and through the screw hole in the spider frame to help flex and align the lid and frame making sure not to damage the paint. Use a thick cloth around the screwdriver where it will touch the paint to reduce any chance of damage. Using medium pressure you should hear the frame “pop” into place. Once everything is in the proper location the (4) screw holes should line up exactly with little to no “slop” in the frame.

Once the spider frames are determined to be in the correct location, starting with the front screw, insert the 4 phillips head screws into each lid to secure the spider frames and install the lid latch levers into the new saddlebag lids as removed from the stock lids before proceeding.

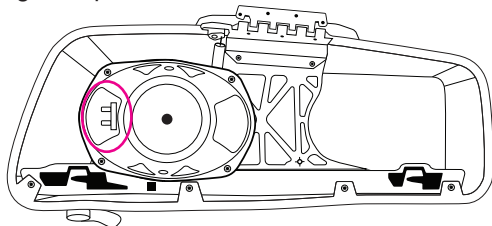


Put a bead of silicone on the speaker adapter bezels on the narrow side that goes toward the spider frame and screw the bezels into the lids. Let the silicone set up a bit before proceeding.



Tip: If your bead of silicone gets smeared or doesn't seal perfectly when bolting in the bezels you can always go around the edges with a bit more silicone. Use your fingers to spread it evenly and remove any unneeded excess.

Put a generous bead of silicone on the speaker bezel where it will meet the speaker and bolt your speakers onto the bezels with the +/- speaker terminals facing the front of the bike. It is important the speakers be bolted in with the connection terminals facing the front of the bag so they will not be in the way of the hinge straps when finished.

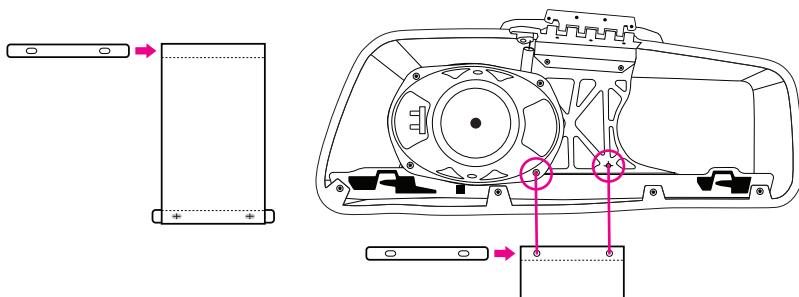


Attach the outer lock plate to the new lids using the (3) screws as removed and adhere the new lid seals onto the replacement lids by peeling the backing from the lid seals and pressing the seal onto the new lids in the seal location. You should clean the lid surface for the seal with alcohol to maximize hold before applying the adhesive seals.



Tip: You will need to split the 2 lid seals apart as you generally get one piece that is 2 seals. Simply tear the two seals down the middle where they are split between the 2 adhesive areas to separate them.

Attach the newly completed audio lids to the saddlebag lowers just as the stock lids were removed from the hinge bolts. When installing the new lid hinge straps make sure to use the stock metal strap braces with the new lid hinge straps. Also, you may need to poke holes in the replacement straps for the screw locations. Don't worry if there are holes already punched in different locations. Simply line the new straps up with holes in the stock metal braces and use a sharp razor knife to put a 'star' in the material to allow the screws to pass through.



After the straps have been prepared, start by attaching one strap to the speaker mounting hole shown to the left below. Then use the provided plastic spacers between the straps and spider frames for the second location on each lid.

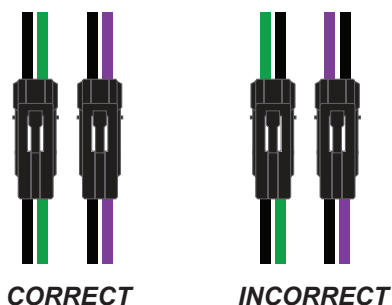
Once the new saddlebag lids and stock saddlebag lowers are completely assembled connect the speaker wire terminals to the speakers using the colored wires for positive and black wires for negative. Use wire ties and wire tie holders to route these wires neatly around the inside of the bags to the grommet location.

Reattach the saddlebags to the bike just as they were removed making sure to keep the sheathed speaker wires that are hanging from the bags out of the way of pinch points and/or high temperature areas. These wires should be facing toward the front of the bike after the bags are reinstalled.

With the bags attached, route the sheathed speaker wires (outside of bags) toward the battery compartment making absolutely sure they will be out of

the way of the wheel, drive belt or any other moving or high temperature parts. Use wire ties and wire tie holders wherever needed.

Plug the male/female quick connects together for each side making sure again the wire colors match across the two connectors. If the quick connectors are improperly installed and the wire colors do not match, your speakers will be out of phase and not sound properly.



Tip: If the wire colors do not match across the 2 quick connectors you can fix this without un-pinning the quick connects as they are very difficult to remove once pinned correctly. **DO NOT** pull on these wires or the wire will pull out of the pin and ruin your connector. If your connectors are indeed backward you can do one of two things. Swap the terminals on the speaker so that the colored wire goes to negative and the black to positive. If this is not possible or undesirable you can do the same procedure at the amplifier instead, swapping the colored wire to negative and black to positive for the affected channel(s).

At this point you are ready to connect the power and ground wires to the battery and test the system. You should have no distortion through your front or rear speakers at 3/4 volume.

Tip: If you do have distortion or you feel the front or rear speakers are too loud you can adjust the output levels for front/rear speakers on the amplifier and/or radio depending on your setup. If you cannot get the system balanced properly you should seek a qualified audio technician. There are many adjustments that can be made that are outside of the scope of this installation instruction. Generally, fine tuned balancing is not needed, but may depend on how "picky" one would like to get with the sound quality.

Once you are happy with the sound, reinstall the fairing and seat as removed and carefully check and double check that all wires are away from any pinch points and moving parts. Failure to do so may result in damage or catastrophic death to your audio system, your ride and/or you so take this step extremely seriously.

Tip: Every time you work on your bike or install anything you should always run through a thorough ride checklist before getting back out on the road. This might sound like overkill to a seasoned rider, but often times it is seasoned riders who are likely to be working on their own bikes. Always take the time to go through a thorough ride checklist just as a pilot would before taking any airplane into the sky. Be responsible, be thorough and stay safe!

Please read and complete all instructions before turning on or doing any adjustment to your audio system. When the radio and amplifier are set up correctly there should be no distortion of the sound at 3/4 volume. If there is please review all instructions and make sure you have completed everything correctly. Failure to follow all instructions correctly may result in damage to your sound system or and/or void your factory warranty.

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